

What is claimed is:

1. A relay server for establishing a session between a client terminal and application server, comprising:

5 a request reception section that receives a session establishment request including service request information of said client terminal from said client terminal;

 an authentication section that controls
10 registration information of said client terminal and authenticates said client terminal from said service request information and said registration information;

 a search section that searches an application server that delivers a service included in said service request
15 information;

 a service inquiry relay section that inquires of said application server about whether it is possible to deliver said service to said client terminal or not;

 a response relay section that receives a response
20 to said inquiry from said application server and sends the response to said client terminal; and

 a confirmation relay section that establishes, when a connection request is received from said client terminal according to said response, a session between said
25 application server and said client terminal.

2. The relay server according to claim 1 that specifies service contents and client information based on rules

according to the data included in the service request.

3. The relay server according to claim 1, further comprising:

5 a disconnection request reception section that receives a disconnection request from said client terminal and sends the disconnection request to said application server;

 a session control section that measures the duration
10 of the session when the session is disconnected based on said disconnection request; and

 a time billing section that creates billing information based on said duration.

15 4. The relay server according to claim 1, further comprising an application billing section that creates billing information based on a request from said application server.

20 5. The relay server according to claim 1, further comprising a change request reception section that receives a session change request including service change information of said client terminal for an established session from said client terminal,

25 wherein said search section searches an application server which delivers the changed service included in said service change information in response to said session change request, and

said service inquiry relay section inquires of said application server about whether it is possible to provide said changed service to said client terminal or not.

5 6. The relay server according to claim 1, further comprising a transfer request reception section that receives a session transfer request including service request information of said client terminal for the established session from said client terminal,

10 wherein said search section searches a second application server that delivers a service included in said service request information in response to said session transfer request,

said service inquiry relay section inquires of said
15 second application server about whether it is possible to provide said service to said client terminal or not, and

said response relay section receives a response to said inquiry from said second application server and sends
20 the response to said client terminal.

7. The relay server according to claim 1, wherein said search section searches at least one application server that delivers a service included in said service request
25 information,

said service inquiry relay section inquires of all the searched application servers about whether it is possible to provide said service to said client terminal

or not,

said response relay section receives a response to said inquiry from said each application server and sends the response to said client terminal, and

5 when said confirmation relay section receives a connection request from said client terminal according to said each response, said confirmation relay section establishes a plurality of sessions between said each application server and said client terminal for one
10 session establishment request.

8. A relay server service control method for a relay server to control a service delivered by an application server to a client terminal, comprising:

15 a step of receiving a session establishment request including service request information of said client terminal from said client terminal;

 a step of authenticating said client terminal from said service request information and client information
20 registered beforehand;

 a step of searching an application server that delivers a service included in said service request information;

 a step of inquiring of said application server about
25 whether it is possible to deliver said service to said client terminal or not;

 a step of receiving a response to said inquiry from said application server and sending the response to said

client terminal; and

a step of establishing a session between said client terminal and said application server based on the response from said client terminal.

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9. A program for causing a computer to function as the relay server according to claim 1.

10. A service delivery system for a relay server to control exchange of application data between a client apparatus and application server, said relay server comprising:

an SIP server section that controls a session between said client apparatus and said application server using an SIP;

15 a user authentication section that authenticates said client apparatus;

an application server search section that searches said application server;

20 a session control section that monitors establishment and disconnection of said session; and

a billing control section that controls billing on said client apparatus based on monitoring information of said session control section,

said client apparatus comprising:

25 an SIP client section that requests establishment and disconnection of a session with said application server using an SIP; and

a client application section that exchanges

application data with said application server, and
said application server comprising:
an application server SIP client section that
receives a request of said client apparatus from said
5 SIP server section; and
a server application section that exchanges
application data with said client apparatus.